

Worksheet 2: How does a wet cotton pad cool you?

Task 1

- Moisten a cotton pad with water or alcohol and lie it over the digital thermometer.
- Place the digital thermometer with the cotton pad on a cup.
- Measure the temperature every 30 seconds for a period of 10 minutes and enter the values into the data table.
- Repeat the experiment but this time fan dry air onto the cotton pad.

digital thermometer



cotton swab



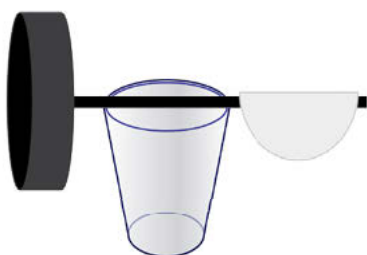
plastic cup



watch



Experiment 1



Experiment 2



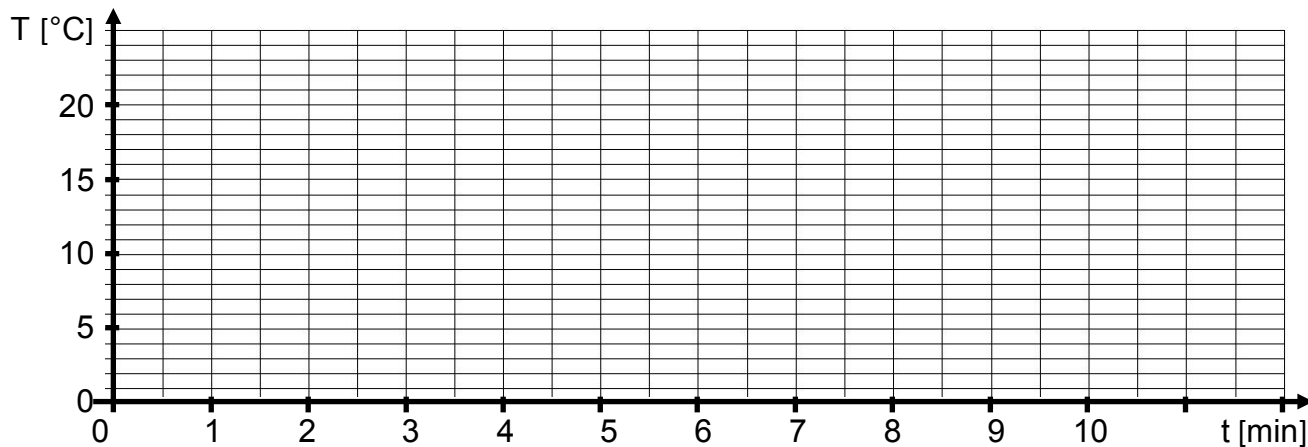
Data table

Time (min)	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10
Experiment 1 Temperature (°C)																					
Experiment 2 Temperature (°C)																					
Experiment 3 Temperature (°C)																					

Task 2

Plot the values from the data table into the graph

Temperature-time graph



Task 3

Construct sentences with the help of the text blocks to describe the experiment.

Note: Elements from the text boxes can be used more than once.

moisten
lie
place
measure ... every 30 seconds
fan
record
repeat
draw

cotton pad
thermometer
temperature
air
measurement value
experiment
graph

with
on
in
over
for

water
thermometer
cup
cotton pad
data table
10 minutes
value

Conducting the experiment

1. First moisten a cotton pad with water. _____
2. Then _____
3. Thereafter _____
4. Now _____
5. At the same time, _____
6. The next step _____
7. When finished, _____
8. Finally, _____